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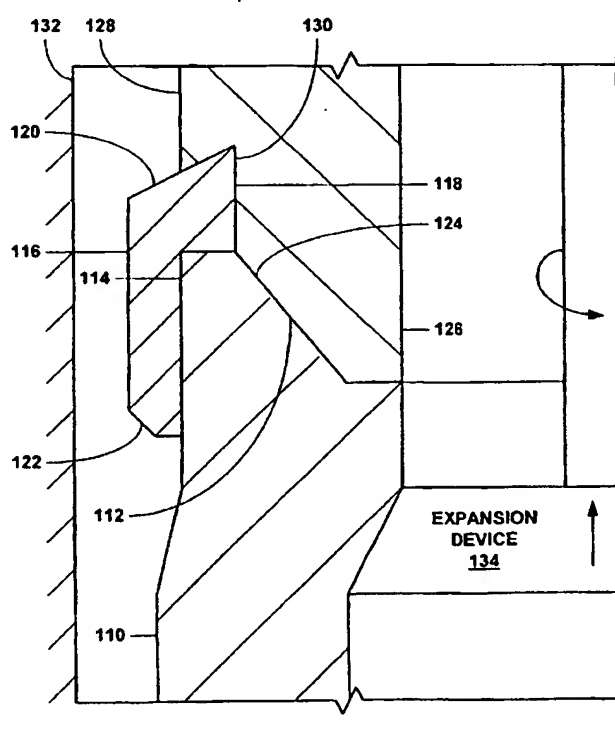
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| <p><b>(51) International Patent Classification<sup>7</sup>:</b> <b>E21B 19/16,</b><br/>17/02, 29/00</p> <p><b>(21) International Application Number:</b><br/>PCT/US2004/004740</p> <p><b>(22) International Filing Date:</b> 17 February 2004 (17.02.2004)</p> <p><b>(25) Filing Language:</b> English</p> <p><b>(26) Publication Language:</b> English</p> <p><b>(30) Priority Data:</b><br/>60/448,526      18 February 2003 (18.02.2003)      US</p> <p><b>(71) Applicant (for all designated States except US):</b> <b>ENVEN-</b><br/><b>TURE GLOBAL TECHNOLOGY [US/US];</b> 16200 A.<br/>Park Row, Houston, TX 77084 (US).</p> <p><b>(72) Inventor; and</b></p> <p><b>(75) Inventor/Applicant (for US only):</b> <b>COSTA, Scott</b><br/>[US/US]; 2011 Willow Point, Kingwood, TX 77330 (US).</p> | <p><b>(74) Agent:</b> <b>MATTINGLY, Todd;</b> Haynes and Boone, L.L.P.,<br/>901 Main Street, Suite 3100, Dallas, TX 75202 (US).</p> <p><b>(81) Designated States (unless otherwise indicated, for every</b><br/><i>kind of national protection available</i>): AE, AG, AL, AM,<br/>AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,<br/>CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,<br/>GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,<br/>KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,<br/>MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,<br/>PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,<br/>TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,<br/>ZW.</p> <p><b>(84) Designated States (unless otherwise indicated, for every</b><br/><i>kind of regional protection available</i>): ARIPO (BW, GH,<br/>GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),<br/>Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-<br/>pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,<br/>GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,</p> |
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**(54) Title: PROTECTIVE COMPRESSION AND TENSION SLEEVES FOR THREADED CONNECTIONS FOR RADIALY EXPANDABLE TUBULAR MEMBERS**



**(57) Abstract:** A radially expandable multiple tubular member apparatus includes a first tubular member (110) and a second tubular member (128) engaged with the first tubular member forming a joint. A sleeve (116) overlaps and couples the first and second tubular members at the joint.

**WO 2004/074622 A3**

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

**(88) Date of publication of the international search report:**

31 March 2005

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- with international search report

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/04740

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : E21B 19/16, 17/02, 29/00

US CL : 166/380, 242.1, 242.6, 206, 207; 285/333, 334, 382.1, 53

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 166/380, 242.1, 242.6, 206, 207; 285/333, 334, 53, 382.1, 382.4

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 6,263,968 B1 (FREEMAN et al) 24 July 2001 (24.07.2001), Fig. 9B, column 2, lines 51-64, column 10, line 4 through column 11, line 15.	14, 16, 25, and 27 ----- 1-13, 15, 17-24, 26, 28-46, 48, 49, 51-58, 66-85
Y	US 4,854,338 A (GRANTHAM) 08 August 1989 (08.08.1989), Figs. 3-4, column 6, lines 25-31.	1-13, 15, 22-24, 26, 56, 57, 66, 77, and 80
Y	US 5,031,370 A (JEWETT) 16 July 1991 (16.07.1991), Fig. 8 and claim 11.	17-20, 28-31, and 83
Y	US 4,401,325 A (TSUCHIYA et al) 30 August 1983 (30.08.1983), Figs. 2-4, column 2, line 52 through column 3, line 2; column 3, line 34 through column 4, line 13.	21, 32, , 58, 61, 66- 73, 75, 76, 78, 79, 81, 82, 84, and 85
Y	US 5,931,511 A (DELANGE et al) 03 August 1999 (03.08.1999), Figs. 1-1A.	33-44
Y	US 4,917,409 A (REEVES) 17 April 1990 (17.04.1990), Figs. 3-6.	53-55, 80, and 83

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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Date of the actual completion of the international search

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Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

David Bagnell ✓

Telephone No. 703-308-1113

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